

**Notice of Allowability**

Application No.

09/653,247

Applicant(s)

ALCORN, JOHN WILLIAM

Examiner

Tuan A. Vu

Art Unit

2193

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12/14/2004.
2. ☒ The allowed claim(s) is/are 12, 14-15, 18, 21, and 24-35 (now renumbered 1-17).
3. ☒ The drawings filed on 13 April 2004 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some\* c) ☐ None of the:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).  
\* Certified copies not received: \_\_\_\_\_

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.  
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached  
1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.  
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.  
**Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |   |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)           |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                   |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|   | 9. <input type="checkbox"/> Other _____   |

### DETAILED ACTION

1. This action is responsive to the Applicant's response filed 12/14/2004.

As indicated in Applicant's response, claims 12, 14-15, 18, 21, and 24-35 have been appealed. Claims 12, 14-15, 18, 21, and 24-35 are pending in the office action.

### EXAMINER'S AMENDMENT

2. The application has been amended as follows:

- (A) In the ABSTRACT, amend as follows:

The invention which meets the needs ~~identified above~~ of an object-oriented structured query language (OOSQL) support for enterprise Java beans is an apparatus and method for automatic generation of a portable, OOSQL query in terms of a bean's attributes and methods at the time of development. The method accomplishes its purpose by bridging between CORBA EJB, ~~by providing a Finder Helper Base class which encapsulates application server specific and logic, and by generating a finder helper subclass that contains the portable OOSQL strings.~~ executing an object-oriented query on an application server that returns data objects responsive to the query; adding each object returned by the server to a Java Vector object, converting the Java Vector object to a Java Enumeration; and narrowing the Java Enumeration to the EJB objects having attributes that that meet the conditions of the query.

- (B) In the SPECIFICATIONS, pg. 17, line 7, amend as follows:

objects that meet the conditions of the query. For example, in the WAS/EE ~~implemenetation~~ implementation, the

### EXAMINER'S STATEMENT OF REASONS FOR ALLOWANCE

3. Claims 12, 14-15, 18, 21, and 24-35 are allowed.

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The following is an examiner's statement of reasons for allowance:

The prior art taken separately or jointly does not suggest or teach the following features.

A method of building Enterprise Java Bean (EJB) objects comprising executing a object-oriented query on an application server that returns data objects responsive to the query; (i) adding each object returned by the server to a Java Vector object, converting the Java Vector object to a Java Enumeration; and (ii) narrowing the Java Enumeration to the EJB objects having attributes that that meet the conditions of the query; as recited in claims 1, 27, and 31.

**Codella**, "Support for Enterprise JavaBeans in Component Broker", discloses a server framework capable of building EJB interfaces and associated Javabeans container/methods in order to implement Corba transactions, the framework establishing a context-related container object with capabilities to narrow the instantiated objects and methods according to a particular session or context. Whereas the reuse objects created by Codella are dynamic instances adapted to the nature of the session, the transactions, the transmission protocol, or the fixed attributes of database (or persisted) objects, Codella does not create EJB objects with attributes that meet conditions of a object-oriented query as purported for the narrowing as in (ii) -- such EJB objects are being developed with a set of attributes which would allow the server to meet a query specifics. Nor does Codella teach returning queried objects into a Java Vector and converting the Vector into a Java Enumeration as of (i).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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***Conclusion***

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan A Vu whose telephone number is (272) 272-3735. The examiner can normally be reached on 8AM-4:30PM/Mon-Fri.

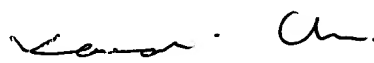
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kakali Chaki can be reached on (571)272-3719.

The fax phone number for the organization where this application or proceeding is assigned is (571) 273-3735 ( for non-official correspondence – please consult Examiner before using) or 703-872-9306 ( for official correspondence) or redirected to customer service at 571-272-3609.

Any inquiry of a general nature or relating to the status of this application should be directed to the TC 2100 Group receptionist: 571-272-2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

VAT  
April 12, 2005



**KAKALI CHAKI  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100**